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Calculus Chapter 5

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Area Between Curves



Section 5.1 in Stewart's Calculus.

Preclass Learning Objectives:

 Total area between functions f and g is calculated by integrating the absolute value of the difference of f and g.

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Volume

Section 5.2/5.3 in Stewart's Calculus.

Preclass Learning Objectives:

- Formula for calculating volume using cylindrical shells.
- Differences between the washer and shell methods.



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The Average Value of a Function



Section 5.5 in Stewart's Calculus.

Preclass Learning Objectives:

Average Value Formula.

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